

From: Li, Ruixiang
Sent: Tuesday, March 18, 2003 2:42 PM
To: STIC-Biotech/ChemLib
Subject: Sequence search of Application NO: 09/652,345

Please do a standard search on SEQ ID NO: 6 against the interference nucleic acid databases.

Thank you very much!

Ruixiang Li
GAU 1646
CM1 10E18
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306-0282

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MAR 18 2003
STIC/ChemLib Division

POINT OF CONTACT:
PAUL SCHULWITZ
TECHNICAL INFO. SPECIALIST
CM1 6B06 TEL. (703) 305-1954

Searcher: _____
Phone: _____
Location: _____
Date Picked Up: 3/20
Date Completed: 3/28
Searcher Prep/Review: _____
Clerical: _____
Online time: _____

TYPE OF SEARCH:
NA Sequences: _____
AA Sequences: _____
Structures: _____
Bibliographic: _____
Litigation: _____
Full text: _____
Patent Family: _____
Other: _____

VENDOR/COST (where applic.)
STN: _____
DIALOG: _____
Questel/Orbit: _____
DRLink: _____
Lexis/Nexis: _____
Sequence Sys.: _____
WWW/Internet: _____
Other (specify): _____

GenCore version 5.1.4_p5_4578
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OM protein - nucleic search, using frame_plus_p2n model

Run on: March 27, 2003, 18:23:43 ; Search time 108 Seconds
(without alignments)
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Title: US-09-652-345-6

Perfect score: 543

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Ygapop 10.0 , Ygapext 0.5
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Searched: 574371 seqs, 425486471 residues

Total number of hits satisfying chosen parameters: 1148742

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Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

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5	538	99.1	3211	9	US-09-945-901-21
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ALIGNMENTS

RESULT 1

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; Sequence 1727, Application US/09917800A
; Patent No. US20020119462A1
; GENERAL INFORMATION:
; APPLICANT: Mendrick, Donna
; APPLICANT: Porter, Mark
; APPLICANT: Johnson, Kory
; APPLICANT: Castle, Arthur
; APPLICANT: Elashoff, Michael
; APPLICANT: Gene Logic, Inc.
; TITLE OF INVENTION: Molecular Toxicology Modeling
; FILE REFERENCE: 44921-5038-US
; CURRENT APPLICATION NUMBER: US/09/917,800A
; CURRENT FILING DATE: 2001-07-31
; PRIOR APPLICATION NUMBER: US 60/222,040
; PRIOR FILING DATE: 2000-07-31
; PRIOR APPLICATION NUMBER: US 60/222,880
; PRIOR FILING DATE: 2000-11-02
; PRIOR APPLICATION NUMBER: US 60/290,029
; PRIOR FILING DATE: 2001-05-11
; PRIOR APPLICATION NUMBER: US 60/290,645
; PRIOR FILING DATE: 2001-05-15
; PRIOR APPLICATION NUMBER: US 60/292,336
; PRIOR FILING DATE: 2001-05-22
; PRIOR APPLICATION NUMBER: US 60/295,798
; PRIOR FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: US 60/297,457

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  APPLICATION NUMBER: US/09/945-901
  FILING DATE: 24-Jan-2001
  CLASSIFICATION: <Unknown>
  PRIOR APPLICATION DATA:
    APPLICATION NUMBER: 08/940,035
    FILING DATE: <Unknown>
    APPLICATION NUMBER: US 08/052,449
    FILING DATE: 20-APR-1993
  ATTORNEY/AGENT INFORMATION:
    NAME: Seidman, Stephanie
    REGISTRATION NUMBER: 33,779
    REFERENCE/DOCKET NUMBER: 6362-9383E
  TELECOMMUNICATION INFORMATION:
    TELEPHONE: 619-238-0999
    TELEFAX: 619-238-0062
  INFORMATION FOR SEQ ID NO: 13:
    SEQUENCE CHARACTERISTICS:
      LENGTH: 3155 base pairs
      TYPE: nucleic acid
      STRANDEDNESS: both
      TOPOLOGY: both
      MOLECULE TYPE: cDNA
      FEATURE:
        NAME/KEY: CDS
        LOCATION: 262..3030
        SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-945-901-13

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Query Match: 99.08%              Indels: 0
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QY 21 LeuLeuGluGluArgSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
DB 808 CTGCTGGAGAGCGGTGAGTCCAAAGCAGAGAGGTGCTGCAGTTTGACCCAGGACCAAG 867
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DB 868 AACGTGACGGCCCTGCTGATGGAGCGAAGAGCTGGAGGCCGGGTGTCATCTTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaAlaMetLeuAsnMetThrGly 80
DB 928 GCCAGCGAGGAGGATGCTGCCACTATATACCGCAGCGCGGATGCTGAACATGACGGC 987
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
DB 988 TCCGGGTACGTGTGGCTGTGCGCAGCGCAGAGATCTCGGGGAACGCCCTGCCTACGCC 1047
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DB 1048 CCAGAGCGGATCTCTGGGCTGCAGCTCATCAAC 1080

RESULT 3
US-10-007-747-13
; Sequence 13, Application US/10007747
; Patent No. US20020161193A1
; GENERAL INFORMATION:
;   APPRICANT: Daggett, Lorrie P.
;   Ellis, Steven B.
;   Liaw, Chen W.
;   Lu, Chin-Chun
;   TITLE OF INVENTION: HUMAN N-WFHYVI-D-ASPARAGINE DECEPOM

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QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
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 QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
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 Db 1048 CCAGACGGCATCTCGGGCTGCAGTCATCAAC 1080
 RESULT 5
 US-09-945-901-21
 ; Sequence 21, Application US/09945901
 ; Patent No. US20020161215A1
 GENERAL INFORMATION:
 ; APPLICANT: Daggett, Lorrie P.
 ; Ellis, Steven B.
 ; Liaw, Chen W.
 ; Lu, Chin-Chun
 TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
 ; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
 NUMBER OF SEQUENCES: 63
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Heller Ehrman White & McAuliffe
 STREET: 4250 Executive Square, 7th Floor
 CITY: La Jolla
 STATE: CA
 COUNTRY: U.S.A.
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/945,901
 FILING DATE: 24-Jan-2001
 CLASSIFICATION: <Unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/940,035
 FILING DATE: <Unknown>
 APPLICATION NUMBER: US 08/052,449
 FILING DATE: 20-APR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie
 REGISTRATION NUMBER: 33,779
 REFERENCE/DOCKET NUMBER: 6362-9383E
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 619-238-0999
 TELEFAX: 619-238-0082
 INFORMATION FOR SEQ ID NO: 21:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 3211 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: both
 MOLECULE TYPE: cDNA
 FEATURE:
 NAME/KEY: CDS
 LOCATION: 262..3192
 SEQUENCE DESCRIPTION: SEQ ID NO: 21:
 US-09-945-901-21

Alignment Scores:
 Pred. No.: 9,69e-69 Length: 3211
 Score: 538.00 Matches: 109
 Percent Similarity: 100.00% Conservative: 2
 Best Local Similarity: 98.20% Mismatches: 0
 Query Match: 99.08% Indels: 0
 DB: 9 Gaps: 0
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 QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
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 QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
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 QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
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 RESULT 6
 US-10-007-747-21
 ; Sequence 21, Application US/10007747
 ; Patent No. US20020161193A1
 GENERAL INFORMATION:
 ; APPLICANT: Daggett, Lorrie P.
 ; Ellis, Steven B.
 ; Liaw, Chen W.
 ; Lu, Chin-Chun
 TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
 ; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
 NUMBER OF SEQUENCES: 63
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Heller Ehrman White & McAuliffe
 STREET: 4250 Executive Square, 7th Floor
 CITY: La Jolla
 STATE: CA
 COUNTRY: USA
 ZIP: 92037
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/10/007,747
 FILING DATE: 07-Dec-2001
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US/09/648,797
 FILING DATE: 28-Aug-2000
 APPLICATION NUMBER: US/08/940,086A
 FILING DATE: 29-SEPT-97
 APPLICATION NUMBER: US 08/231,193
 FILING DATE: 20-APR-1994
 APPLICATION NUMBER: US 08/052,449
 FILING DATE: 20-APR-1993
 ATTORNEY/AGENT INFORMATION:
 NAME: Seidman, Stephanie

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; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3211 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262..3192
; SEQUENCE DESCRIPTION: SEQ ID NO: 21:
; US-10-038-937-21

Alignment Scores:
Pred. No.: 9,69e-69 Length: 3211
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
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Query Match: 99.08% Indels: 0
DB: Gaps: 0

US-09-652-345-6 (1-111) x US-10-038-937-21 (1-3211)

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Db 928 GCCAGCGAGGACGATCTCCACTGTATACCGCAGCGCGGATGCTGAACATGACGGGC 987
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; Sequence 19, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.

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Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/09/945,901
FILING DATE: 24-Jan-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/940,035
FILING DATE: <Unknown>
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 3935 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-945-901-19
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Pred. No.: Length: 3935
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
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Sequence 19, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 3935 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-007-747-19
Alignment Scores:
Pred. No.: Length: 3935
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 9 Gaps: 0
US-09-652-345-6 (1-111) x US-10-007-747-19 (1-3935)

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Db 748 ATCATCTGCTGCTGAGCAGCACACAGGCGCGGCTCAGAAACGCTGGAGACG 807

QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTGTCCAAAGCAGAGAGAGTGTCTGAGTTTACCCAGGAGCAAG 867

QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
Db 868 AACGTGACGGCCCTGCTGATGGAGCGGAAAGAGTGTGTCAGTTTGTACCCAGGACCAAG 927

QY 61 AlaSerGluAspAspAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCAGGAGGAGTGTATACCGCGCAGCGCGATGTGTAACATGACGGGC 987

QY 81 SerGlyTyrValTyrLeuValGlyGluArgGluLeuSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGTGCTGCGGAGCGGAGATCTCGGGAAACGCCCTGCGCTAGGCC 1047

QY 101 ProAspGlyIleLeuGlnLeuLeuAsn 111
Db 1048 CCAGACGGCATCTCGGGCTGCAGCTCATCAAC 1080

RESULT 10
US-10-038-937-19
; Sequence 19, Application US/10038937
; Publication No. US20030013866A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3935 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS

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; LOCATION: 262..3030
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-038-937-19

Alignment Scores:
Pred. No.: 1,29e-68 Length: 3935
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 9 Gaps: 0

US-09-652-345-6 (1-111) x US-10-038-937-19 (1-3935)
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QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTGTCCAAAGCAGAGAGTGTGTCAGTTTGTACCCAGGACCAAG 867

QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
Db 868 AACGTGACGGCCCTGCTGATGGAGCGGAAAGAGTGTGTCAGTTTGTACCCAGGACCAAG 927

QY 61 AlaSerGluAspAspAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCAGGAGGAGTGTATACCGCGCAGCGCGATGTGTAACATGACGGGC 987

QY 81 SerGlyTyrValTyrLeuValGlyGluArgGluLeuSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGTGCTGCGGAGCGGAGATCTCGGGAAACGCCCTGCGCTAGGCC 1047

QY 101 ProAspGlyIleLeuGlnLeuLeuAsn 111
Db 1048 CCAGACGGCATCTCGGGCTGCAGCTCATCAAC 1080

RESULT 11
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; Sequence 1, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie

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REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383E
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4298 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262...3078
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-945-901-1

Alignment Scores:
Pred. No.: 1,45e-68 Length: 4298
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 9 Gaps: 0

US-09-652-345-6 (1-111) x US-09-945-901-1 (1-4298)

QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
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QY 21 LeuLeuGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTGCAGTCCAAAGCAGAGAGTGTCTGACCCGAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
Db 868 AACGTGACGCGCTGCTGATGGAGCGGAAAGCTGGAGCGCGGCTCATCTCTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCGAGGAGCGTGCCTGCTATACCGCGAGCGCGGCTGCTGAACATGACGGC 987
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluLeuSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGGTGGTGGTGGGAGCGGAGATCTCGGGGAAAGCGCTGGCTACGCC 1047
QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
Db 1048 CCAGACGGCATCTCGGGCTGCAGCTCATCAAC 1080

RESULT 12
US-10-007-747-1
Sequence 1, Application US/10007747
Patent No. US20020161193A1
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/10/007,747
FILING DATE: 07-Dec-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 4298 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262...3078
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-007-747-1

Alignment Scores:
Pred. No.: 1,45e-68 Length: 4298
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 9 Gaps: 0

US-09-652-345-6 (1-111) x US-10-007-747-1 (1-4298)

QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
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QY 21 LeuLeuGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTGCAGTCCAAAGCAGAGAGTGTCTGACCCGAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
Db 868 AACGTGACGCGCTGCTGATGGAGCGGAAAGCTGGAGCGCGGCTCATCTCTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCGAGGAGCGTGCCTGCTATACCGCGAGCGCGGCTGCTGAACATGACGGC 987
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluLeuSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGGTGGTGGTGGGAGCGGAGATCTCGGGGAAAGCGCTGGCTACGCC 1047
QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
Db 1048 CCAGACGGCATCTCGGGCTGCAGCTCATCAAC 1080

RESULT 13
US-10-038-937-1
Sequence 1, Application US/10038937
Publication No. US20030013866A1

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; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/038,937
; FILING DATE: 18-APR-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/935,105
; FILING DATE: 29-SEPT-97
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383D
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 4298 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262..3078
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-038-937-1
Alignment Scores:
Pred. No.: 1,45e-68 Length: 4298
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 9 Gaps: 0
US-09-652-345-6 (1-111) x US-10-038-937-1 (1-4298)
QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
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QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
DB 808 CTGCTGGAGAGCGTGAGTCCAGGAGGAGAGGTGCTGCAGTTTGACCCAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
DB 868 AACGTGACCGCCCTGCTGATGAGGAGGAAAGACTGGAGCCCGGGTCAATCCCTTTCT 927
QY 61 AlaserGluAspAlaAlaThrValThrArgAlaAlaAlaMetLeuAsnMetThrGly 80

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Db 928 GCCAGCGAGGACGATGCTGCACCTGTATACCGCGCAGCGCGATGCTGAACATGACGGCC 987
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
DB 988 TCCGGGTACGTGTGCTGCTGGCGAGCGGAGACTCTCGGGAGACGCCCTGCGCTACGCC 1047
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DB 1048 CCAGACGGCATCTCTCGGGCTGCAGCTCATCAAC 1080
RESULT 14
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; Sequence 37, Application US/09945901
; Patent No. US20020161215A1
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; Ellis, Steven B.
; Liaw, Chen W.
; Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/945,901
; FILING DATE: 24-Jan-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/940,035
; FILING DATE: <Unknown>
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 37:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3274 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262..3255
; SEQUENCE DESCRIPTION: SEQ ID NO: 37:
US-09-945-901-37
Alignment Scores:
Pred. No.: 1e-65 Length: 3274
Score: 517.50 Matches: 109
Percent Similarity: 84.09% Conservative: 2
Best Local Similarity: 82.58% Mismatches: 0
Query Match: 95.30% Indels: 21
DB: 9 Gaps: 1
US-09-652-345-6 (1-111) x US-09-945-901-37 (1-3274)

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QY	28	-----LysAlaGluLysValLeuGlnPheAspProGlyThr	39
DB	868	TCCTATGACAAACGCGCGGACCCCAAGGCAGAGAAGGTGCTGTCAGTTTGACCCAGGGAC	927
QY	40	LysAsnValThrAlaAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeu	59
DB	928	AAGAAGCTGACGGCCCTGCTGATGAGGCGAAGAGCTGGAGGCCCGGTCATCATCCTT	987
QY	60	SerAlaSerGluAspAlaAlaThrValThrArgAlaAlaAlaMetLeuAsnMetThr	79
DB	988	TCGCGCAGCGAGGAGATGCTGCCACTGTATACGCGCGAGCCGGATGCTGGAACATGACG	1047
QY	80	GlySerGlyTyrValThrLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyr	99
DB	1048	GGCTCGGGTACGTGCGCTGCTGTCGCGCAGCGCGAGATCTCGGGGACGCCCTGCGGTAC	1107
QY	100	AlaProAspGlyIleIleGlyLeuGlnLeuIleAsn	111
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RESULT 15
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 ; Sequence 37, Application US/10007747
 ; Patent No. US20020161193A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Daggett, Lorrie P.
 ; Ellis, Steven B.
 ; Liaw, Chen W.
 ; Lu, Chin-Chun
 ;
 ; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
 ; SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
 ;
 ; NUMBER OF SEQUENCES: 63
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Heller Ehrman White & McAuliffe
 ; STREET: 4250 Executive Square, 7th Floor
 ; CITY: La Jolla
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 92037
 ;
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ;
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/10/007,747
 ; FILING DATE: 07-Dec-2001
 ;
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/648,797
 ; FILING DATE: 28-Aug-2000
 ; APPLICATION NUMBER: US/08/940,086A
 ; FILING DATE: 29-SEPT-97
 ; APPLICATION NUMBER: US 08/231,193
 ; FILING DATE: 20-APR-1994
 ; APPLICATION NUMBER: US 08/052,449
 ; FILING DATE: 20-APR-1993
 ;
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Seidman, Stephanie
 ; REGISTRATION NUMBER: 33,779
 ; REFERENCE/DOCKET NUMBER: 24735-9383C
 ;
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (619) 450-8400
 ; TELEFAX: (619) 450-8499
 ;
 ; INFORMATION FOR SEQ ID NO: 37:
 ; SEQUENCE CHARACTERISTICS:

GenCore version 5.1.4_p5_4578
Copyright (c) 1993 - 2003 Compugen Ltd.

OM protein - nucleic search, using frame_plus_p2n model

Run on: March 27, 2003, 18:14:48 ; Search time 68 Seconds

(without alignments)

500.605 Million cell updates/sec

Title: US-09-652-345-6

Perfect score: 543

Sequence:

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Ygapop 10.0 , Ygapext 0.5
Fgapop 6.0 , Fgapext 7.0
Delop 6.0 , Delext 7.0

Searched: 441362 seqs, 153338381 residues

Total number of hits satisfying chosen parameters: 882724

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

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- 6: /cgn2_6/ptodata/1/ina/backfiles1.seq.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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5	538	99.1	3155	3	US-08-480-474-13
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7	538	99.1	3155	3	US-08-940-035A-13
8	538	99.1	3155	4	US-08-935-105A-13
9	538	99.1	3155	4	US-09-648-797-13
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12	538	99.1	3211	3	US-08-480-474-21

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16	538	99.1	3211	4	US-09-648-797-21
17	538	99.1	3935	2	US-08-231-193A-19
18	538	99.1	3935	2	US-08-486-273A-19
19	538	99.1	3935	3	US-08-480-474-19
20	538	99.1	3935	3	US-08-940-086A-19
21	538	99.1	3935	3	US-08-940-035A-19
22	538	99.1	3935	4	US-08-935-105A-19
23	538	99.1	3935	4	US-09-648-797-19
24	538	99.1	4298	2	US-08-231-193A-1
25	538	99.1	4298	2	US-08-486-273A-1
26	538	99.1	4298	3	US-08-480-474-1
27	538	99.1	4298	3	US-08-940-086A-1
28	538	99.1	4298	4	US-08-940-035A-1
29	538	99.1	4298	4	US-08-935-105A-1
30	538	99.1	4298	4	US-09-648-797-1
31	538	99.1	4659	4	US-08-264-578-10
32	532	98.0	2621	3	US-08-436-332B-1
33	532	98.0	2727	3	US-08-436-332B-13
34	532	98.0	2835	3	US-08-436-332B-12
35	532	98.0	2916	3	US-08-436-332B-11
36	517.5	95.3	3274	2	US-08-231-193A-37
37	517.5	95.3	3274	2	US-08-486-273A-37
38	517.5	95.3	3274	3	US-08-480-474-37
39	517.5	95.3	3274	3	US-08-940-086A-37
40	517.5	95.3	3274	4	US-08-940-035A-37
41	517.5	95.3	3274	4	US-08-935-105A-37
42	517.5	95.3	3274	4	US-09-648-797-37
43	517.5	95.3	3998	2	US-08-231-193A-35
44	517.5	95.3	3998	2	US-08-486-273A-35
45	517.5	95.3	3998	3	US-08-480-474-35

ALIGNMENTS

RESULT 1

US-08-026-138E-18

; Sequence 18, Application US/08026138E

; Patent No. 5502166

; GENERAL INFORMATION:

; APPLICANT: Masayoshi MISHINA

; TITLE OF INVENTION: NOVEL PROTEINS AND GENES CODING THE SAME

; NUMBER OF SEQUENCES: 19

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Nishiohata Residence 1-107

; STREET: 5214, Nishiohata-machi

; CITY: Niigata-shi

; STATE: Niigata-ken

; COUNTRY: JAPAN

; ZIP: 951

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: MS-DOS v.5

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/026,138E

; FILING DATE: 26-FEB-1993

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: JP 39563/1992

; FILING DATE: 26-FEB-1992

; APPLICATION NUMBER: JP 173155/1992

; FILING DATE: 30-JUN-1992

; APPLICATION NUMBER: JP 215017/1992

; FILING DATE: 12-AUG-1992

; APPLICATION NUMBER: JP 303878/1992

; FILING DATE: 13-NOV-1992

; ATTORNEY/AGENT INFORMATION:

; NAME: Hamburg, C.Bruce

; REGISTRATION NUMBER: 22,389

; REFERENCE/DOCKET NUMBER: F-4551

TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 986-2340
TELEFAX: (212) 953-7733
INFORMATION FOR SEQ ID NO: 18:
SEQUENCE CHARACTERISTICS:
LENGTH: 2760 nucleic acids
TYPE: nucleic acid
STRANDEDNESS: double strand
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORGANISM: mouse
TISSUE TYPE: brain
PUBLICATION INFORMATION:
AUTHORS: Masayoshi MISHINA
TITLE: NOVEL PROTEINS AND GENES CODING THE SAME
RELEVANT RESIDUES IN SEQ ID NO: 18: FROM 1 TO 2760
US-08-026-138E-18

Alignment Scores:
Pred. No.: 1.68e-64 Length: 2760
Score: 540.00 Matches: 110
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.10% Mismatches: 0
Query Match: 99.45% Indels: 0
DB: 1 Gaps: 0

US-09-652-345-6 (1-111) x US-08-026-138E-18 (1-2760)

QY 1 IleIleLeuLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
|||||
DB 433 ATCATCTGCTGGTCCAGGATGACACAGCGCGGAGCCAGCAAGCGCTGGAGACG 492
QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
|||||
DB 493 TTGCTGGAGGAGCGTGAGTCCCAAGCAGAGAGGTGCTGACGTTTGACCCAGCAACCAAG 552
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
|||||
DB 553 AATGTGACGGCTGCTGATGGAAGCGCGGACCTGGAAGCCCGGTCATCATCTTTCT 612
QY 61 AlaSerGluAspAspAlaAlaThrValTyArgAlaAlaAlaMetLeuAsnMetThrGly 80
|||||
DB 613 GCAAGCGAGGACGAGCTGCCACCGTATACCGCGAGCGCGCATGCTGACATGACTGCG 672
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
|||||
DB 673 TCTGGTACGTGTGCTGCTGGGAGCGCGAGATCTCTGGGAATGCCCTGCGCTACGCT 732
QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
|||||
DB 733 CCTGACGCATCATCGGACTTCAGCTAATCAAC 765

RESULT 2

US-08-026-138E-19
Sequence 19, Application US/08026138E
Patent No. 5502166

GENERAL INFORMATION:
APPLICANT: Masayoshi MISHINA
TITLE OF INVENTION: NOVEL PROTEINS AND GENES CODING THE SAME
NUMBER OF SEQUENCES: 19
CORRESPONDENCE ADDRESS:
ADDRESS: Nishiohata Residence 1-107
STREET: 5214, Nishiohata-machi
CITY: Niigata-shi
STATE: Niigata-ken
COUNTRY: JAPAN
ZIP: 951

COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.44 MB storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: MS-DOS v.5
SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/026, 138E
FILING DATE: 26-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 39563/1992
FILING DATE: 26-FEB-1992
APPLICATION NUMBER: JP 173155/1992
FILING DATE: 30-JUN-1992
APPLICATION NUMBER: JP 215017/1992
FILING DATE: 12-AUG-1992
APPLICATION NUMBER: JP 303878/1992
FILING DATE: 13-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Hamburg, C. Bruce
REGISTRATION NUMBER: 22,389
REFERENCE/DOCKET NUMBER: F-4551
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 986-2340
TELEFAX: (212) 953-7733

INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 2760 nucleic acids
TYPE: nucleic acid
STRANDEDNESS: double strand
TOPOLOGY: linear
MOLECULE TYPE: cDNA
ORGANISM: mouse
TISSUE TYPE: brain
PUBLICATION INFORMATION:
AUTHORS: Masayoshi MISHINA
TITLE: NOVEL PROTEINS AND GENES CODING THE SAME
RELEVANT RESIDUES IN SEQ ID NO: 19: FROM 1 TO 2760
US-08-026-138E-19

Alignment Scores:
Pred. No.: 1.68e-64 Length: 2760
Score: 540.00 Matches: 110
Percent Similarity: 100.00% Conservative: 1
Best Local Similarity: 99.10% Mismatches: 0
Query Match: 99.45% Indels: 0
DB: 1 Gaps: 0

US-09-652-345-6 (1-111) x US-08-026-138E-19 (1-2760)

QY 1 IleIleLeuLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
|||||
DB 433 ATCATCTGCTGGTCCAGGATGACACAGCGCGGAGCCAGCAAGCGCTGGAGACG 492
QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
|||||
DB 493 TTGCTGGAGGAGCGTGAGTCCCAAGCAGAGAGGTGCTGACGTTTGACCCAGCAACCAAG 552
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
|||||
DB 553 AATGTGACGGCTGCTGATGGAAGCGCGGACCTGGAAGCCCGGTCATCATCTTTCT 612
QY 61 AlaSerGluAspAspAlaAlaThrValTyArgAlaAlaAlaMetLeuAsnMetThrGly 80
|||||
DB 613 GCAAGCGAGGACGAGCTGCCACCGTATACCGCGAGCGCGCATGCTGACATGACTGCG 672
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
|||||
DB 673 TCTGGTACGTGTGCTGCTGGGAGCGCGAGATCTCTGGGAATGCCCTGCGCTACGCT 732
QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
|||||
DB 733 CCTGACGCATCATCGGACTTCAGCTAATCAAC 765

RESULT 3

US-08-231-193A-13
Sequence 13, Application US/08231193A
Patent No. 5849895

GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/231,193A
FILING DATE: 20-APR-1994
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,459
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3155 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
US-08-231-193A-13
Alignment Scores:
Pred. No.: 3,81e-64 Length: 3155
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 2 Gaps: 0
US-09-652-345-6 (1-111) x US-08-231-193A-13 (1-3155)
Qy 1 IlelleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
Db 748 ATCATCTGCTGCTGAGCGACGCCAGAGGGCGGGGGCTCAGAAACCGCTGGAGAGC 807
Qy 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGGTGAGTCCAGAGGAGAGAGGTGCTGAGTTGACCCAGGAGCAAG 867
Qy 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIlelleLeuSer 60
Db 868 AACGTGACGGCCCTGCTGATGGAGGAGAAAGAGCTGGAGCCGGGTCAATCATCTTCT 927
Qy 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGGAGGAGAGTGTGCTGCTGATACCGCGAGCCCGATGCTGAACATGACGCGGC 987

Qy 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGCTGCTGCGCGAGCGCGGAGATCTCGGGGACGCCCTGCTGCTAGGCC 1047
Qy 101 ProAspGlyIlelleGlyLeuGlnLeuIleAsn 111
Db 1048 CCAGAGGCGATCCTCGGGCTGCAGCTCATCAAC 1080
RESULT 4
US-08-486-273A-13
Sequence 13, Application US/08486273A
Patent No. 5985586
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
ENCODED SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Brown, Martin, Haller & McClain
STREET: 1660 Union Street
CITY: San Diego
STATE: CA
COUNTRY: U.S.A.
ZIP: 92101-2926
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,273A
FILING DATE: 06-JUN-1995
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383B
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3155 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
US-08-486-273A-13
Alignment Scores:
Pred. No.: 3,81e-64 Length: 3155
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 2 Gaps: 0
US-09-652-345-6 (1-111) x US-08-486-273A-13 (1-3155)
Qy 1 IlelleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
Db 748 ATCATCTGCTGCTGAGCGACGCCAGAGGGCGGGGGCTCAGAAACCGCTGGAGAGC 807

QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTGTCCAAAGCAGAGAGGTGCTGCAGTTTGACCCAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValLeuLeuLeuSer 60
Db 868 AACGTGACGGCCCTGCTCATGAGCGGAAAGAGCTGGAGCCCGGCTCATCATCTTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCAGGAGCGATGCTGCCACTGTATACCGCGAGCGCGATGCTGAACATGACGGGC 987
QY 81 SerGlyTyrValTyrLeuValGlyGluArgGluLeuLeuSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGTGCTGCTGCGGAGCGGAGATCTCGGGGAACGCCCTGCGCTACGCC 1047
QY 101 ProAspGlyLeuLeuGlyLeuGlnLeuLeuAsn 111
Db 1048 CCAGAGCGCATCCTCGGGCTGCAGCTCATCAAC 1080

RESULT 5

US-08-480-474-13
; Sequence 13, Application US/08480474
; Patent No. 6033865
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA ENCODING
; NUMBER OF SEQUENCES: 54
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Hallier & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,474
FILING DATE: 06-JUN-1995
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9382B
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3155 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: cdna
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
US-08-480-474-13

Alignment Scores:
Pred. No.: 3.81e-64
Score: 538.00
Percent Similarity: 100.00%
Best Local Similarity: 99.20%
Query Match: 98.08%
Length: 3155
Matches: 109
Conservative: 2
Mismatches: 0
Indels: 0

DB: 3 Gaps: 0
US-09-652-345-6 (1-111) x US-08-480-474-13 (1-3155)
QY 1 IleIleIleuLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
Db 748 ATCATCTGCTGTGCTAGCGACGACGAGGCGCGGCTCAGAAACCCCTGGAGACG 807
QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGAGGAGCGTGTCCAAAGCAGAGAGGTGCTGCAGTTTGACCCAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValLeuLeuLeuSer 60
Db 868 AACGTGACGGCCCTGCTCATGAGCGGAAAGAGCTGGAGCCCGGCTCATCATCTTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCAGGAGCGATGCTGCCACTGTATACCGCGAGCGCGATGCTGAACATGACGGGC 987
QY 81 SerGlyTyrValTyrLeuValGlyGluArgGluLeuLeuSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTACGTGTGCTGCTGCGGAGCGGAGATCTCGGGGAACGCCCTGCGCTACGCC 1047
QY 101 ProAspGlyLeuLeuGlyLeuGlnLeuLeuAsn 111
Db 1048 CCAGAGCGCATCCTCGGGCTGCAGCTCATCAAC 1080

RESULT 6

US-08-940-086A-13
; Sequence 13, Application US/08940086A
; Patent No. 6111091
; GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.
APPLICANT: Ellis, Steven B.
APPLICANT: Liaw, Chen W.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3155 base pairs
TYPE: nucleic acid

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; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262..3030
US-08-940-086A-13
Alignment Scores:
Pred. No.: 3,81e-64
Score: 538.00
Percent Similarity: 100.00%
Conservative: 2
Best Local Similarity: 98.20%
Mismatch: 0
Query Match: 99.08%
Indels: 0
DB: 3
Gaps: 0
S-09-652-345-6 (1-111) x US-08-940-086A-13 (1-3155)
QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
      |||
Db 748 ATCATCTGCTGGTCAGCGACGACACAGAGCGCGGGCTCAGAAAACGCTGGAGAG 807
QY 21 LeuLeuGluGluArgGluSerLysAlaGluValLeuGluInPheAspProGlyThrLys 40
      |||
Db 808 CTGCTGGAGGAGCTGAGTCCAAAGCAGAGAAGGTGCTGCAGTTTGACCCAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
      |||
Db 868 AACGTGACGGCCCTGCTGATGGAGCGAAGAGCTGGAGGCCGGGTATCATCTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaAlaMetLeuAsnMetThrGly 80
      |||
Db 928 GCCAGCAGGAGCAGATGCTGCCACTGTATACCGCGCAGCGCGATGCTGAACATGACGGGC 987
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
      |||
Db 988 TCCGGGTACGTGTGGCTGGTGGCGAGCGCAGATCTCGGGGAACGCCCTGCGCTACGCC 1047
QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
      |||
Db 1048 CCAGACGGCATCTCGGGCTGCAGCTCATCAAC 1080
RESULT 7
US-08-940-035A-13
; Sequence 13, Application US/08940035A
; Patent No. 6316611
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Heller Ehrman White & McAuliffe
; STREET: 4250 Executive Square, 7th Floor
; CITY: La Jolla
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940.035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:

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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,105A
FILING DATE: 29-SEPT-97
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3155 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
US-08-935-105A-13

Alignment Scores:
Pred. No.: 3,81e-64 Length: 3155
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservatives: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 4 Gaps: 0

US-09-652-345-6 (1-111) x US-08-935-105A-13 (1-3155)

QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
|||||
Db 748 ATCATCTGCTGTCAGCGACGACACGAGCGCGCGCTCAGAAACGCTGGAGACG 807
QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
|||||
Db 808 CTGCTGGAGGAGCGTGTGATCCAGGCGAGAGGTCGTGCTGCTGACCCAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
|||||
868 AACGTGACGGCCCTGCTGATGAGCGGAGAGCTGGAGCGCGGCTCATCATCTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
|||||
Db 928 GCCAGCGAGGACGATGCTGCCACTGTATACCGCGAGCGCGATGCTGAACATGACGGC 987
QY 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
|||||
Db 988 TCCGGGTACGTGTGCTGTGTCGAGCGGAGCGGAGATCTCGGGGACGCGCTGCGCTACGCC 1047
QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
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Db 1048 CCACAGCGCATCTCCGGCTCGAGCTCATCAAC 1080
RESULT 9
US-09-648-797-13
; Sequence 13, Application US/09648797
; Patent No. 6469142
; GENERAL INFORMATION:

APPLICANT: Daggett, Lorrie P.
Ellis, Steven B.
Liaw, Chen W.
Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: USA
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/648,797
FILING DATE: 28-Aug-2000
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US/08/940,086A
FILING DATE: 29-SEPT-97
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 24735-9383C
TELEPHONE: (619) 450-8400
TELEFAX: (619) 450-8499
INFORMATION FOR SEQ ID NO: 13:
SEQUENCE CHARACTERISTICS:
LENGTH: 3155 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3030
SEQUENCE DESCRIPTION: SEQ ID NO: 13:
US-09-648-797-13
Alignment Scores:
Pred. No.: 3,81e-64 Length: 3155
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservatives: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 4 Gaps: 0
US-09-652-345-6 (1-111) x US-09-648-797-13 (1-3155)
QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
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Db 748 ATCATCTGCTGTCAGCGACGACACGAGCGCGCGCTCAGAAACGCTGGAGACG 807
QY 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
|||||
Db 808 CTGCTGGAGGAGCGTGTGATCCAGGCGAGAGGTCGTGCTGCTGACCCAGGACCAAG 867
QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
|||||
Db 868 AACGTGACGGCCCTGCTGATGAGCGGAGAGCTGGAGCGCGGCTCATCATCTTCT 927
QY 61 AlaSerGluAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
|||||

Db 928 GCCAGGAGGAGTCTCCACTGTATACCGCGAGCGCGGCTGTAACATGACGGGC 987
Qy 81 SerGlyTyrValTrpLeuValGlyGluArgGluSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTAGTGTGGCTGTGGCGAGCGAGATCTCGGGGAACGCCCTCGCTACGCC 1047
Qy 101 ProAspGlyIleGlyLeuGlnLeuIleAsn 111
Db 1048 CCAGAGCGGATCTCGGGCTGCAGCTCATCAAC 1080

RESULT 10
US-08-231-193A-21
; Sequence 21, Application US/08231193A
; Patent No. 5849895
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
; TITLE OF INVENTION: SURUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/231,193A
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 536
; PRIORITY APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,459
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3211 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262..3192
US-08-231-193A-21

Alignment Scores:
Pred. No.: 3 91e-64 Length: 3211
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 2 Gaps: 0

US-09-652-345-6 (1-111) x US-08-231-193A-21 (1-3211)

Qy 1 IleIleLeuValSerAspHisGluGlyArgAlaGlnLysArgLeuGluThr 20
|||||

Db 748 ATCATCTCTGCTGTCAGCAGCACACGAGCGCGCGGCTCAGAAACGCTTGAGAGC 807
Qy 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTGTAGTCCAAAGCAGAGAGGTGCTGCAGTTTGACCCAGGACCAAG 867
Qy 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
Db 868 AACGTGACGGCCCTGCTGATGGAGCGAAAGAGCTGGAGGCCCGCGGCTCATCCTTTCT 927
Qy 61 AlaSerGluAspAspAlaAlaThrValTyrArgAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGCGAGGAGATGCTGCCACTGTATACCGCGAGCGCGGATGCTGAACATGACGGGC 987
Qy 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCCGGGTAGTGTGGCTGTGGCGAGCGGAGATCTCGGGGAACGCCCTCGCTACGCC 1047
Qy 101 ProAspGlyIleGlyLeuGlnLeuIleAsn 111
Db 1048 CCAGAGCGGATCTCGGGCTGCAGCTCATCAAC 1080

RESULT 11
US-08-486-273A-21
; Sequence 21, Application US/08486273A
; Patent No. 5985586
; GENERAL INFORMATION:
; APPLICANT: Daggett, Lorrie P.
; APPLICANT: Ellis, Steven B.
; APPLICANT: Liaw, Chen W.
; APPLICANT: Lu, Chin-Chun
; TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR SUBUNITS, DNA
; TITLE OF INVENTION: ENCODING SAME AND USES THEREFOR
; NUMBER OF SEQUENCES: 63
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Brown, Martin, Haller & McClain
; STREET: 1660 Union Street
; CITY: San Diego
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 92101-2926
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,273A
; FILING DATE: 06-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3211 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: CDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262..3192
US-08-486-273A-21


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; COUNTRY: U.S.A.
; ZIP: 92037
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/940,035A
; FILING DATE: 29-SEPT-97
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/231,193
; FILING DATE: 20-APR-1994
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/052,449
; FILING DATE: 20-APR-1993
; CLASSIFICATION: 536
; ATTORNEY/AGENT INFORMATION:
; NAME: Seidman, Stephanie
; REGISTRATION NUMBER: 33,779
; REFERENCE/DOCKET NUMBER: 6362-9383E
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-238-0999
; TELEFAX: 619-238-0062
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 3211 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: both
; TOPOLOGY: both
; MOLECULE TYPE: cDNA
; FEATURE:
; NAME/KEY: CDS
; LOCATION: 262...3192
US-08-940-035A-21

Alignment Scores:
Pred. No.: 3,91e-64 Length: 3211
Score: 538.00 Matches: 109
Percent Similarity: 100.0% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Query Match: 99.08% Indels: 0
DB: 4 Gaps: 0

US-09-652-345-6 (1-111) x US-08-940-035A-21 (1-3211)

QY 1 IleIleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
| | | | |
Db 748 ATCATCTGTGTCAGCAGCACACACGAGGGCGGGCTCAGAAACGCCCTGGAGACG 807
| | | | |

QY 21 LeuLeuCluLuArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
| | | | |
Db 808 CTGCTGGAGAGCGGTGAGTCCAGGCAGAGAAGTGCTCAGTTTGACCCAGGGACCAG 867
| | | | |

QY 41 AsnValThrAlaLeuLeuMetGluAlaArgGluLeuGluAlaArgValIleLeuSer 60
| | | | |
Db 868 AACGTACGGCCCTGCTGATGAGGCGCAAGAGCTGGAGGCCCGGGCTCATCTCTTCT 927
| | | | |

QY 61 AlaSerGluAspAlaAlaThrValTyArgAlaAlaAlaMetLeuAsnMetThrGly 80
| | | | |
Db 928 GCCAGCGAGGACGATGCTGCCACTGTATACCGCGCAGCGCGATGCTGAACATGACGGGC 987
| | | | |

QY 81 SerGlyTyValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrrAla 100
| | | | |
Db 988 TCCGGGTAGCTGTGGCTGTGTGCGGAGCGCAGAGATCTCGGGGAGACGCCCTCGCTACGCC 1047
| | | | |

QY 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
| | | | |
Db 1048 CCAGCGGCATCTCTCGGGCTGCAGCTCATCAAC 1080
| | | | |

RESULT 15
US-08-935-105A-21
Sequence 21, Application US/08935105A

```

Patent No. 6376660
GENERAL INFORMATION:
APPLICANT: Daggett, Lorrie P.
APPLICANT: Lu, Chin-Chun
TITLE OF INVENTION: HUMAN N-METHYL-D-ASPARTATE RECEPTOR
TITLE OF INVENTION: SUBUNITS, NUCLEIC ACIDS ENCODING SAME AND USES THEREFOR
NUMBER OF SEQUENCES: 63
CORRESPONDENCE ADDRESS:
ADDRESSEE: Heller Ehrman White & McAuliffe
STREET: 4250 Executive Square, 7th Floor
CITY: La Jolla
STATE: CA
COUNTRY: U.S.A.
ZIP: 92037
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/935,105A
FILING DATE: 29-SEPT-97
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/231,193
FILING DATE: 20-APR-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/052,449
FILING DATE: 20-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Seidman, Stephanie
REGISTRATION NUMBER: 33,779
REFERENCE/DOCKET NUMBER: 6362-9383D
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-238-0999
TELEFAX: 619-238-0062
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 3211 base pairs
TYPE: nucleic acid
STRANDEDNESS: both
TOPOLOGY: both
MOLECULE TYPE: CDNA
FEATURE:
NAME/KEY: CDS
LOCATION: 262..3192
US-08-935-105A-21

Alignment Scores:
Pred. No.: 3,91e-64 Length: 3211
Score: 538.00 Matches: 109
Percent Similarity: 100.00% Conservative: 2
Best Local Similarity: 98.20% Mismatches: 0
Every Match: 99.08% Indels: 0
Gaps: 0

US-09-652-345-6 (1-111) x US-08-935-105A-21 (1-3211)

Qy 1 IletleLeuValSerAspHisGluGlyArgAlaAlaGlnLysArgLeuGluThr 20
Db 748 ATCATCTGCTGCTCAGGAGCACCAGGCGCGGCTCAGAAAGCCCTGGAGAG 807
Qy 21 LeuLeuGluGluArgGluSerLysAlaGluLysValLeuGlnPheAspProGlyThrLys 40
Db 808 CTGCTGGAGGAGCGTAGTCCAAAGCAGAGAGTGCTGCAGTTTTCACCCAGGACCAAG 867
Qy 41 AsnValThrAlaLeuMetGluAlaArgGluLeuGluAlaArgValIleIleLeuSer 60
Db 868 AACGTGAGCGGCCCTGCTGATGAGCGAAAGAGCTGGAGGCCCGGCTCATCTCTTCT 927
Qy 61 AlaSerGluAspAspAlaAlaThrValTyArgAlaAlaAlaMetLeuAsnMetThrGly 80
Db 928 GCCAGGAGGAGGATGCTGCCACTGTATACCGCGAGCGCGGATGCTGAACATGACGGGC 987

Qy 81 SerGlyTyrValTrpLeuValGlyGluArgGluIleSerGlyAsnAlaLeuArgTyrAla 100
Db 988 TCGGGGTACGTGTGGCTGGTTCGGCGAGCGGATCTCGGGGAACGCCCTGCGCTACGCC 1047
Qy 101 ProAspGlyIleIleGlyLeuGlnLeuIleAsn 111
Db 1048 CCAGCGGCATCTCTGGGCTGCAGCTCATCAAC 1080

Search completed: March 27, 2003, 18:27:45
Job time : 75 secs